

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

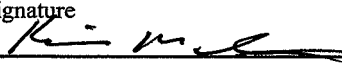
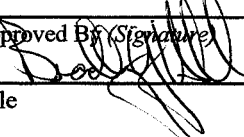
FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01191A	
1b. Type of Well: <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7. If Unit or CA Agreement, Name and No. 891008900A	
3a. Address P.O. Box 173779 Denver, CO 80217-3779		8. Lease Name and Well No. NBU 922-33NT	
3b. Phone No. (include area code) 720.929.6226		9. API Well No. 43-047-40187	
4. Location of well (Report location clearly and in accordance with any State requirements. *) At surface 890 FSL 2291 SE SW Lat. 39.987742 Long. -109.446228 At proposed prod. zone N/A 44273364 -109.445437 NAD 27		10. Field and Pool, or Exploratory Natural Buttes Field	
11. Sec., T., R., M., or Blk. and Survey or Area Sec 33 T 9S R 22E		12. Cou State Utah	
14. Distance in miles and direction from the nearest town or post office* 27 miles north of Ouray, Utah		15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 890'	
16. No. of acres in lease 1363.21		17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 20'		19. Proposed Depth 9,000	
20. BLM/ BIA Bond No. on file WYB000291		21. Elevations (Show whether DF, RT, GR, etc.) 5,078' GR	
22. Aproximate date work will start* Upon Approval		Esti mat 10 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by existing bond on file (see item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Land SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/ or plans as may be required by authorized officer. |

25. Signature 	Name (Printed/ Typed) Kevin McIntyre	<b>RECEIVED</b>  <b>JUL 02 2008</b>  <b>DIV. OF OIL, GAS &amp; MINING</b>  <b>07-16-08</b>
Title Regulatory Analyst		
Approved By (Signature) 	Name (Printed/ Typed) BRADLEY G. HILL	
Title Environmental Manager	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

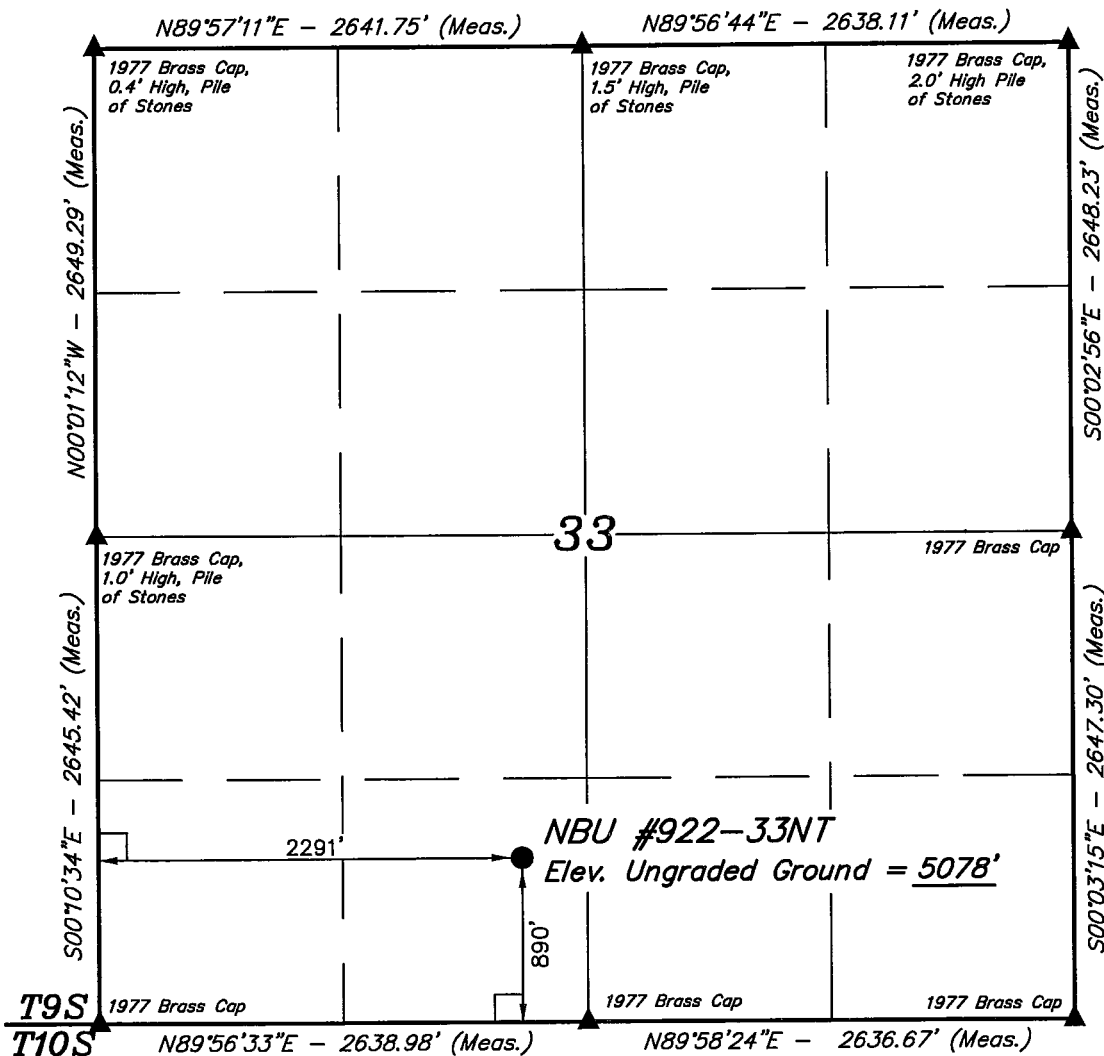
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

Federal Approval of this  
Action is Necessary

**T9S, R22E, S.L.B.&M.**



**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 39°59'15.75" (39.987708)  
LONGITUDE = 109°26'46.42" (109.446228)  
(NAD 27)  
LATITUDE = 39°59'15.87" (39.987742)  
LONGITUDE = 109°26'43.96" (109.445544)

**Kerr-McGee Oil & Gas Onshore LP**

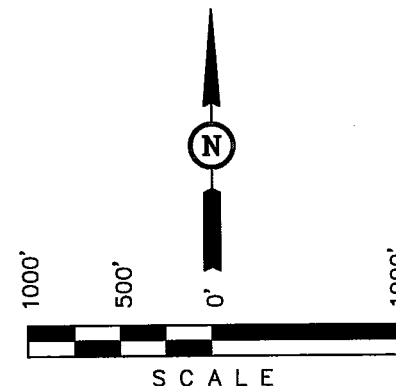
Well location, NBU #922-33NT, located as shown in the SE 1/4 SW 1/4 of Section 33, T9S, R22E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE SURVEY WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-29-08	DATE DRAWN: 06-09-08
PARTY T.A. S.K. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 922-33NT  
SESW Sec. 33, T9S, R22E  
UINTAH COUNTY, UTAH  
UTU-01191A**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1269'
Bird's Nest	1593'
Mahogany	2075'
Wasatch	4446'
Mesaverde	6903'
MVU2	7841'
MVL1	8401'
TD	9000'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1269'
	Bird's Nest	1593'
	Mahogany	2075'
Gas	Wasatch	4446'
Gas	Mesaverde	6903'
Gas	MVU2	7841'
Gas	MVL1	8401'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

**4. Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

**5. Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

**6. Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9000' TD, approximately equals 5580 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3600 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

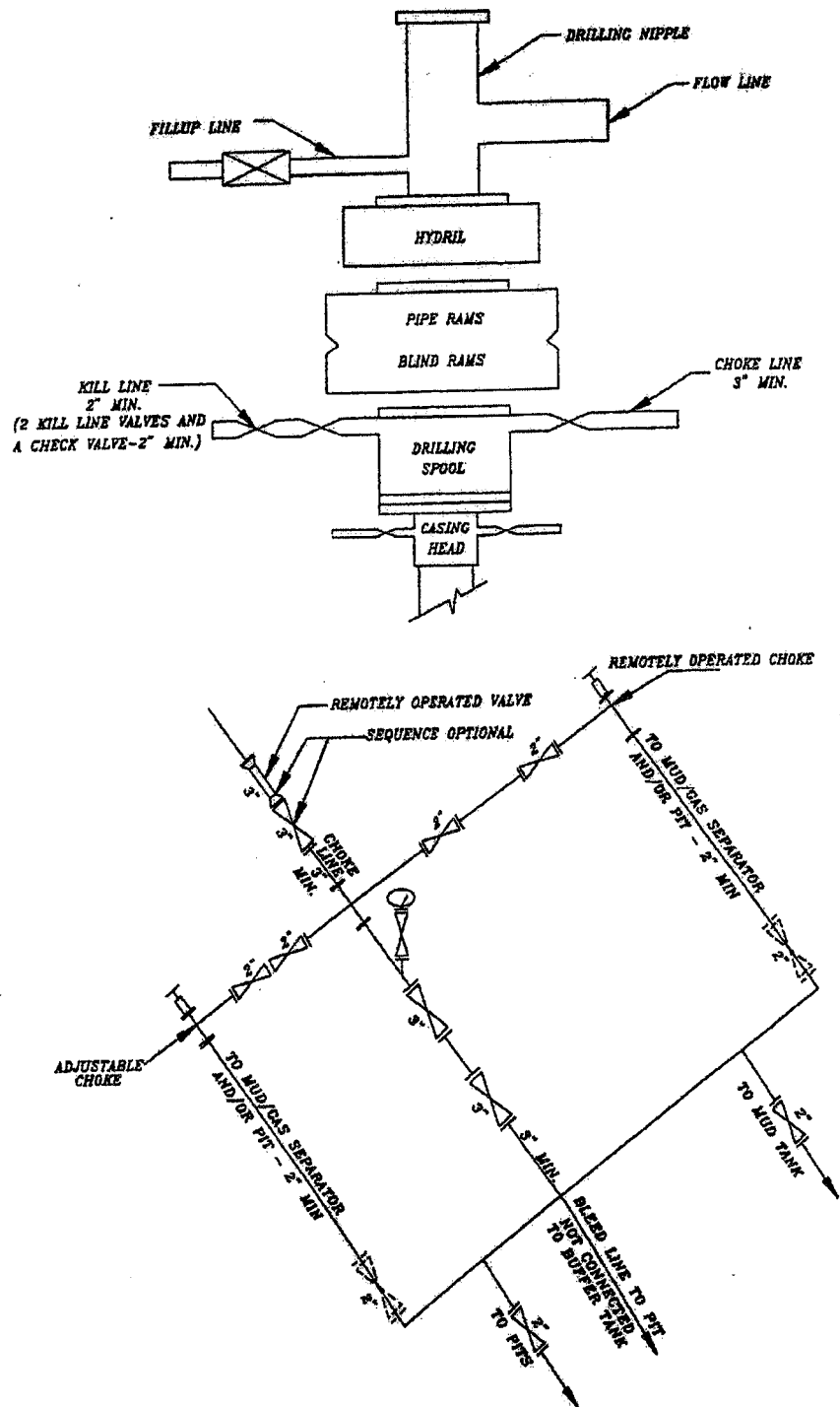
*Please see Natural Buttes Unit SOP. Please see Kerr McGee's sundry regarding variance request to Onshore Order #2 regarding Air drilling for surface casing.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*



EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

NBU 922-33NT  
SESW Sec. 33 ,T9S,R22E  
UINTAH COUNTY, UTAH  
UTU-01191A

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

**2. Planned Access Roads:**

No new access road is planned, as this is a twin location. Refer to Topo Map B.

*Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.*

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

**No new pipeline, as we will be utilizing the existing CIGE #152 pipeline. No TOPO D attached.**

*Please see the Natural Buttes Unit SOP.*

**Variances to Best Management Practices (BMPs) Requested:**

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

**Interim Surface Reclamation Plan:**

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the

original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

7. **Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

**10. Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

Crested Wheatgrass      12 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

**11. Surface/Mineral Ownership:**

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435)781-4400

**12. Stipulations****Wildlife Stipulations:**

- Antelope Stipulations:  
No construction from May 15 through June 20.

**Critical Soils Stipulations:**

No construction when wet.

**13. Other Information:**

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

**14. Lessee's or Operator's Representative & Certification:**

Kevin McIntyre  
Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
P.O. Box 173779  
Denver, CO 80217-3779  
(720) 929-6226

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7018

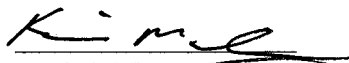
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Kevin McIntyre

6/30/2008

Date



# **KERR-McGEE OIL & GAS ONSHORE LP** **DRILLING PROGRAM**

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE June 30, 2008  
WELL NAME NBU 922-33NT TD 9,000' MD/TVD  
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,078' GL KB 5,093'  
SURFACE LOCATION SESW 890' FSL & 2291' FWL, SEC. 33, T9S, R22E BHL Straight Hole  
Latitude: 39.987742 Longitude: -109.446228  
OBJECTIVE ZONE(S) Wasatch/Mesaverde  
ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,446'					
	Green River @	1,269'			
	Top of Birds Nest Water @	1593'			
	Mahogany @	2,075'			
	Preset f/ GL @				
	2,150' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,446'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-10.0 ppg
	Mverde @	6,903'			
	MVU2 @	7,841'			
	MVL1 @	8,401'			
					Max anticipated Mud required 11.7 ppg
		TD @ 9,000'			



**DRILLING PROGRAM**
**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2150	36.00	J-55	LTC	1.01	2.01	7.45
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9000	11.60	I-80	LTC	2.23	1.16	2.21

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.7 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)
- MASP 3600 psi

**CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
			+ .25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,940'	Premium Lite II + 3% KCl + 0.25 pps	430	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,060'	50/50 Poz/G + 10% salt + 2% gel	1420	60%	14.30	1.31
			+ .1% R-3				

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

**FLOAT EQUIPMENT & CENTRALIZERS**

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

**ADDITIONAL INFORMATION**

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

NBU 922-33NT.xls

DATE:

Kerr-McGee Oil & Gas Onshore LP  
NBU #922-33NT  
SECTION 33, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO NORTH; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 2.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND THE EXISTING ACCESS TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN WESTERLY, THEN EASTERLY, THEN SOUTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO CIGE #152 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 58.0 MILES.



# KERR-MCGEE OIL & GAS ONSHORE LP

NBU #922-33NT

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 33, T9S, R22E, S.L.B.&M.

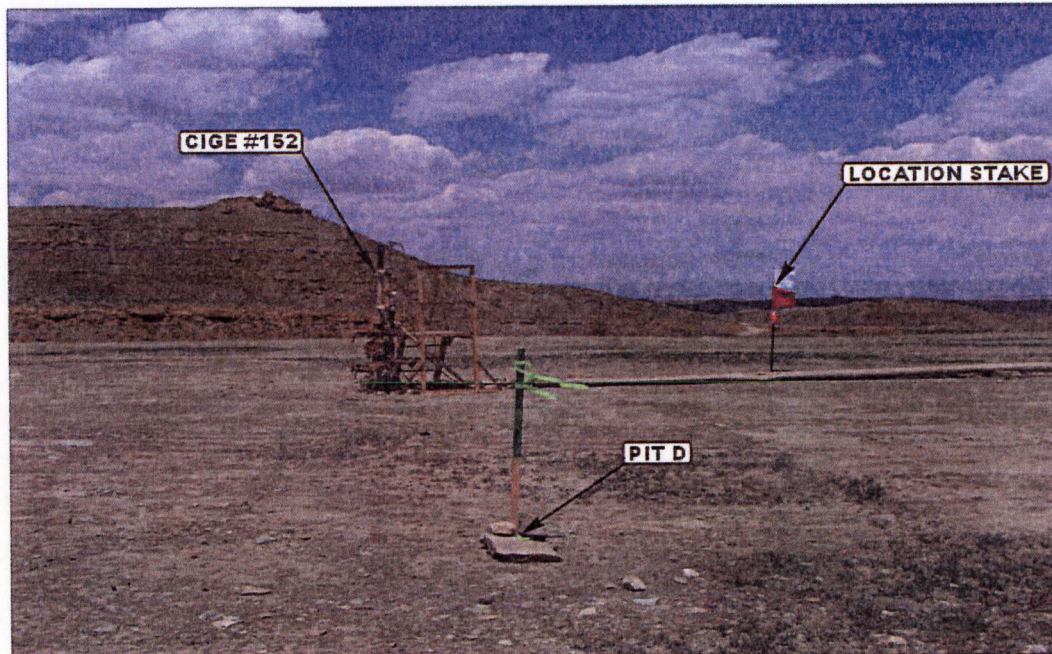


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

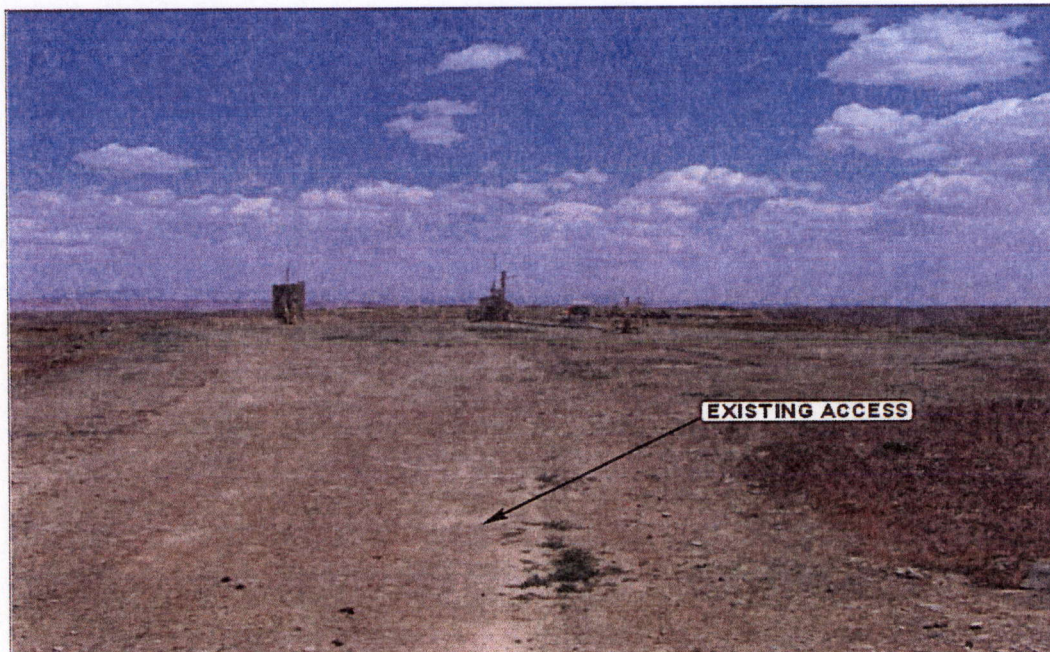


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

**U** **E** **L** **S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

06 12 08  
MONTH DAY YEAR

PHOTO

TAKEN BY: T.A.

DRAWN BY: J.J.

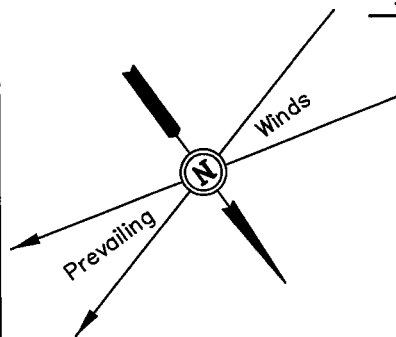
REVISED: 00-00-00

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

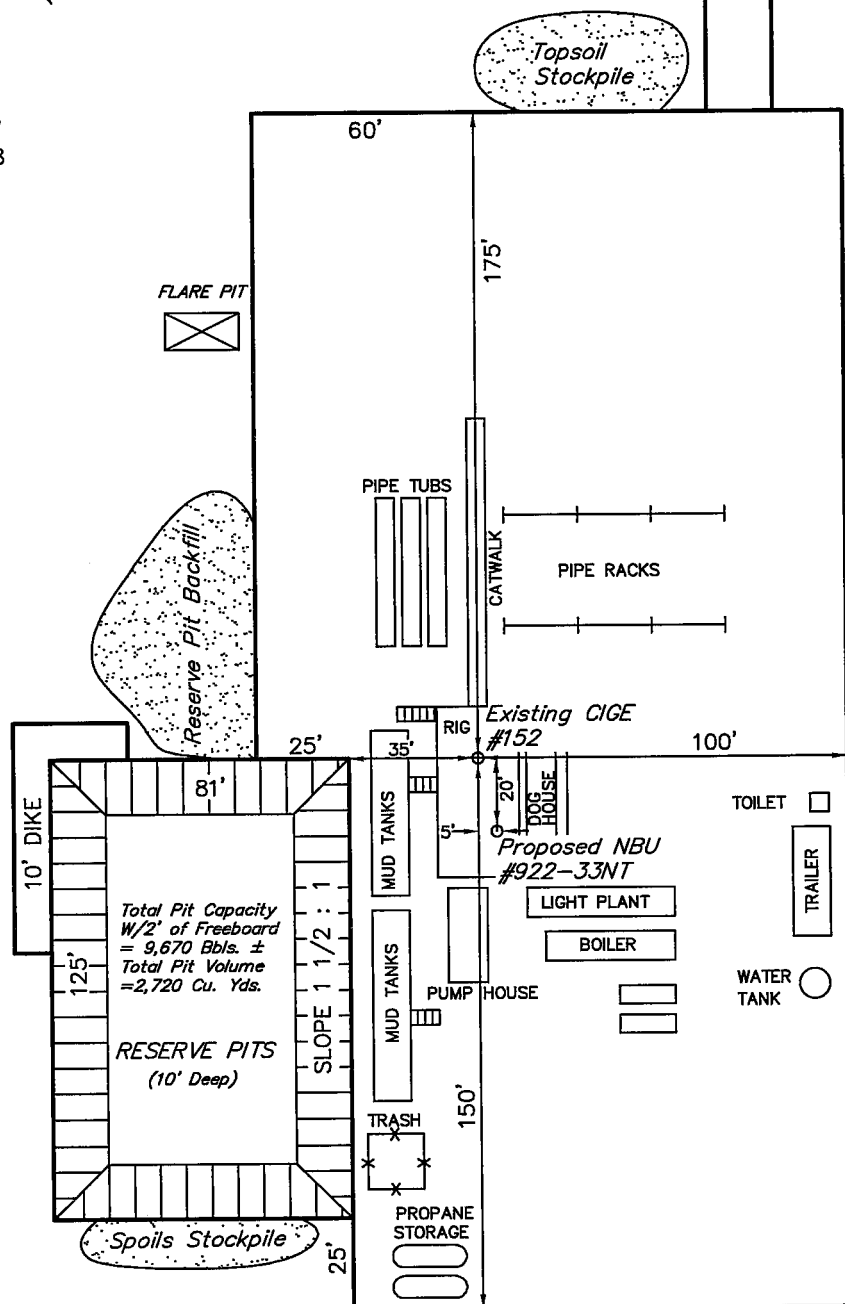
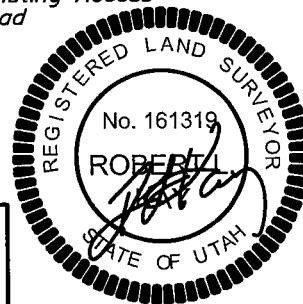
## LOCATION LAYOUT FOR

NBU #922-33NT  
SECTION 33, T9S, R22E, S.L.B.&M.  
890' FSL 2291' FWL



SCALE: 1" = 50'  
DATE: 06-09-08  
Drawn By: S.L.

Existing Access Road

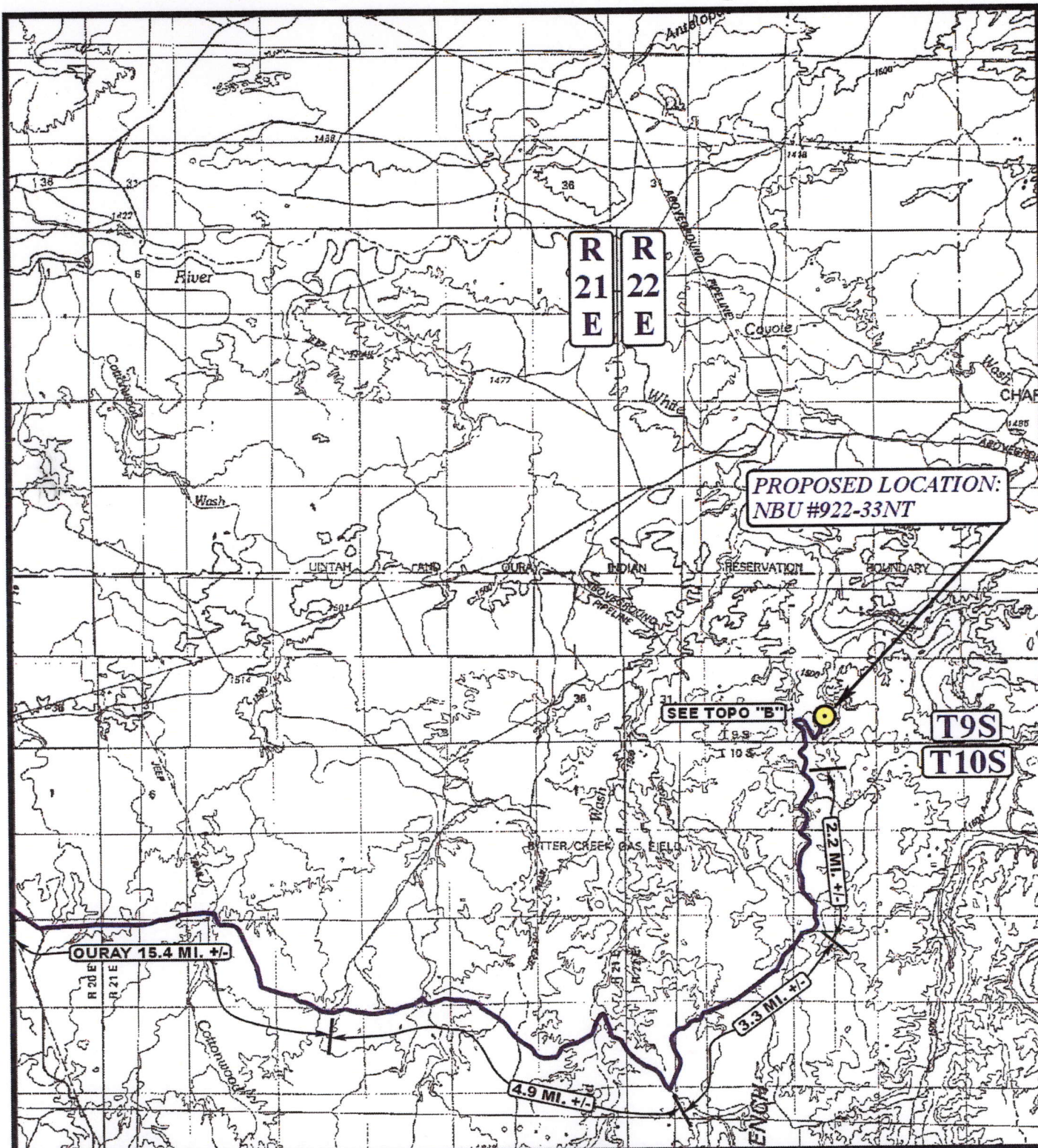


### NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 5077.7'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017





# **LEGEND:**

● PROPOSED LOCATION



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**Kerr-McGee Oil & Gas Onshore LP**

NBU #922-33NT

SECTION 33, T9S, R22E, S.L.B.&M.

890' FSL 2291' FWL

**TOPOGRAPHIC  
MAP**

**06 12 08**  
MONTH DAY YEAR

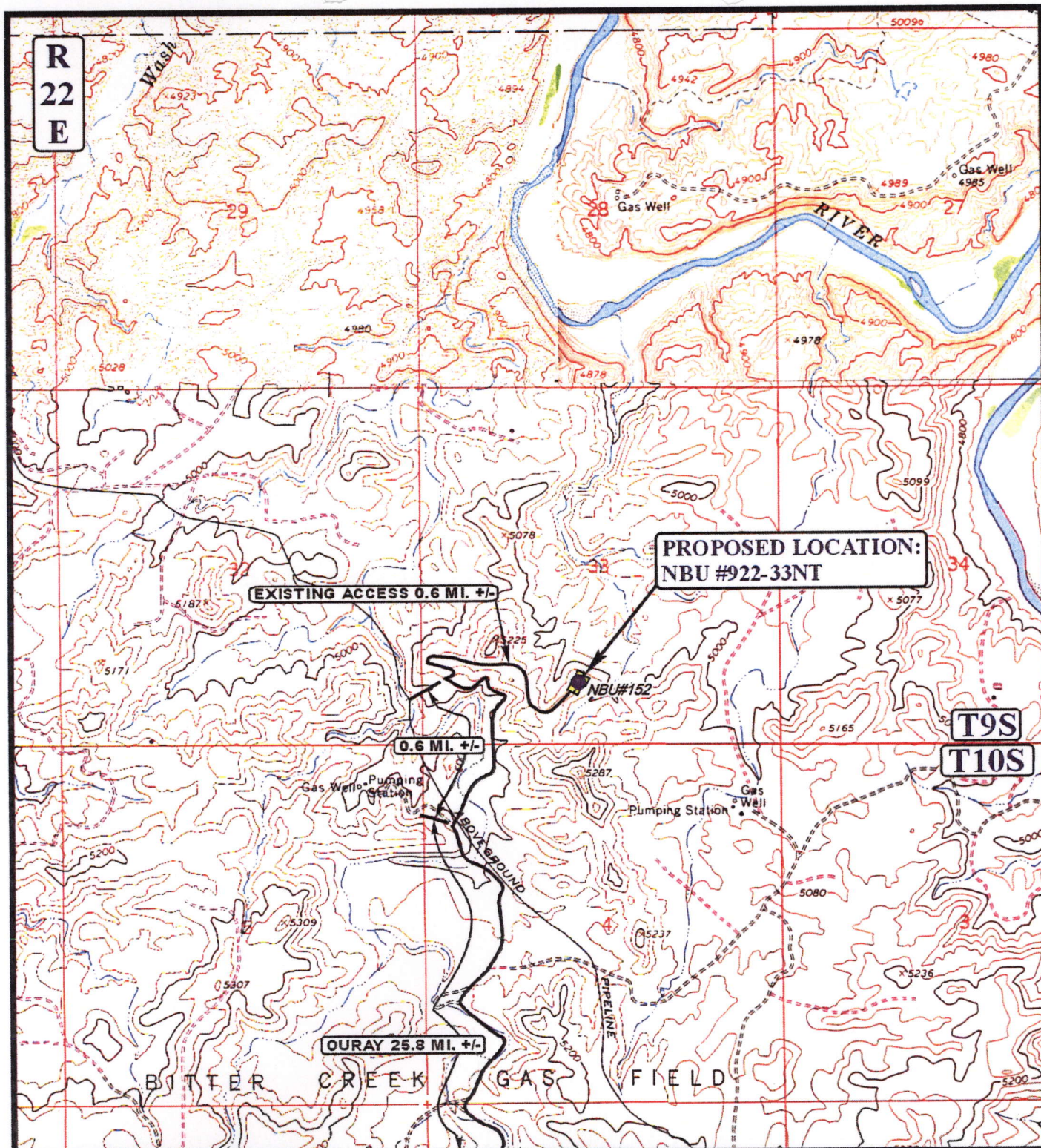
SCALE: 1:100,000

DRAWN BY: J.J.

REVISED: 00-00-00

**A  
TOPO**





# **LEGEND:**

----- EXISTING ACCESS ROAD  
 ===== EXISTING ROAD



Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**Kerr-McGee Oil & Gas Onshore LP**

**NBU #922-33NT**

**SECTION 33, T9S, R22E, S.L.B.&M.**

**890' FSL 2291' FWL**

**TOPOGRAPHIC  
 MAP**

**06 12 08**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

**B  
 TOPO**

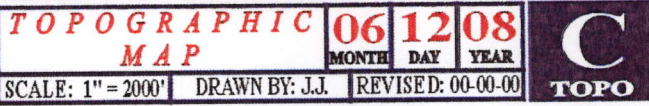


**PROPOSED LOCATION:**  
**NBU #922-33NT**



- ## Kerr-McGee Oil & Gas Onshore LP

**U  
E  
L  
S** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813





**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/02/2008

API NO. ASSIGNED: 43-047-40187

WELL NAME: NBU 922-33NT

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 720-929-6226

CONTACT: KEVIN MCINTYRE

PROPOSED LOCATION:

SESW 33 090S 220E

SURFACE: 0890 FSL 2291 FWL

BOTTOM: 0890 FSL 2291 FWL

COUNTY: Uintah

LATITUDE: 39.98767 LONGITUDE: -109.4454

UTM SURF EASTINGS: 632727 NORTHINGS: 4427336

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191A

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000291 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.  
Unit: NATURAL BUTTES  
\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 173-14  
Eff Date: 12-2-1999  
Siting: 460' N of 190-5 & 190-13  
\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

*1 Federal Approval*  
*2- On Shale*



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

July 15, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Wasatch/MesaVerde)

43-047-40184	NBU 921-30FT	Sec 30 T09S R21E 1585 FNL 2614 FWL
43-047-40185	NBU 921-31BT	Sec 31 T09S R21E 0670 FNL 2008 FEL
43-047-40170	NBU 921-27KT	Sec 27 T09S R21E 1527 FSL 1821 FWL
43-047-40171	NBU 921-27MT	Sec 27 T09S R21E 0634 FSL 0931 FWL
43-047-40172	NBU 921-27OT	Sec 27 T09S R21E 0646 FSL 2211 FEL
43-047-40173	NBU 921-27HT	Sec 27 T09S R21E 2025 FNL 0623 FEL
43-047-40174	NBU 921-27LT	Sec 27 T09S R21E 1954 FSL 0641 FWL
43-047-40175	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-40227	NBU 921-27C2D	Sec 27 T09S R21E 0650 FNL 1730 FWL
43-047-40203	NBU 921-27D2DS	Sec 27 T09S R21E 0660 FNL 1713 FWL
	BHL	Sec 27 T09S R21E 0395 FNL 0350 FWL
43-047-40202	NBU 921-27D2AS	Sec 27 T09S R21E 0640 FNL 1747 FWL
	BHL	Sec 27 T09S R21E 0050 FNL 0350 FWL
43-047-40201	NBU 921-27C2AS	Sec 27 T09S R21E 0630 FNL 1765 FWL
	BHL	Sec 27 T09S R21E 0300 FNL 1730 FWL
43-047-40169	NBU 921-26IT	Sec 26 T09S R21E 1964 FSL 0674 FEL
43-047-40176	NBU 922-29NT	Sec 29 T09S R22E 0845 FSL 1627 FWL
43-047-40177	NBU 922-29KT	Sec 29 T09S R22E 1795 FSL 1936 FWL
43-047-40178	NBU 922-31BT	Sec 31 T09S R22E 0888 FNL 2191 FEL



43-047-40179	NBU 922-32ET	Sec 32	T09S	R22E	2477	FNL	0094	FWL
43-047-40186	NBU 922-33OT	Sec 33	T09S	R22E	0692	FSL	1465	FEL
43-047-40187	NBU 922-33NT	Sec 33	T09S	R22E	0890	FSL	2291	FWL
43-047-40188	NBU 922-33IT	Sec 33	T09S	R22E	2115	FSL	0579	FEL
43-047-40191	NBU 1022-04GT	Sec 04	T10S	R22E	1897	FNL	1861	FEL
43-047-40189	NBU 922-35IT	Sec 35	T09S	R22E	2133	FSL	0627	FEL
43-047-40190	NBU 1022-01CT	Sec 01	T10S	R22E	0819	FNL	2106	FWL
43-047-40192	NBU 1022-08IT	Sec 08	T10S	R22E	1757	FSL	0323	FEL
43-047-40193	NBU 1022-08GT	Sec 08	T10S	R22E	2313	FNL	1922	FEL
43-047-40194	NBU 1022-09AT	Sec 09	T10S	R22E	0472	FNL	0582	FEL
43-047-40195	NBU 1022-10HT	Sec 10	T10S	R22E	1798	FNL	0297	FEL
43-047-40196	NBU 1022-10FT	Sec 10	T10S	R22E	2200	FNL	2094	FWL
43-047-40204	NBU 1022-32D1S	Sec 32	T10S	R22E	0205	FNL	2058	FWL
	BHL	Sec 32	T10S	R22E	0270	FNL	1310	FWL
43-047-40205	NBU 1022-32D4AS	Sec 32	T10S	R22E	0198	FNL	2077	FWL
	BHL	Sec 32	T10S	R22E	0760	FNL	1180	FWL
43-047-40206	NBU 1022-32B3S	Sec 32	T10S	R22E	0185	FNL	2114	FWL
	BHL	Sec 32	T10S	R22E	1150	FNL	2130	FEL
43-047-40207	NBU 1022-32D4DS	Sec 32	T10S	R22E	0192	FNL	2096	FWL
	BHL	Sec 32	T10S	R22E	1240	FNL	1050	FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
 Division of Oil Gas and Mining  
 Central Files  
 Agr. Sec. Chron  
 Fluid Chron

MCoulthard:mc:7-15-08



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 16, 2008

Kerr-McGee Oil & Gas Onshore, LP  
P O Box 173779  
Denver, CO 80217-3779

Re: NBU 922-33NT Well, 890' FSL, 2291' FWL, SE SW, Sec. 33, T. 9 South, R. 22 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40187.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



**Operator:** Kerr-McGee Oil & Gas Onshore, LP

**Well Name & Number** NBU 922-33NT

**API Number:** 43-047-40187

**Lease:** UTU-01191A

**Location:** SE SW                      **Sec.** 33                      **T.** 9 South                      **R.** 22 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office      (801) 733-0983 home

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

UTU-01191A

Indian, Allottee or Tribe Name

N/A

1a. Type of Work:



DRILL



REENTER

1b. Type of Well:



Gas Well



Other



Single Zone



Multiple Zone

2. Name of Operator

Kerr-McGee Oil & Gas Onshore, LP

7. If Unit or CA Agreement, Name and No.

891008900A

8. Lease Name and Well No.

NBU 922-33NT

3a. Address

P.O. Box 173779  
Denver, CO 80217-3779

3b. Phone No. (include area code)

720.929.6226

10. Field and Pool, or Exploratory

Natural Buttes Field

4. Location of well (Report location clearly and in accordance with any State requirements. \*)

At surface

890 FSL

2291

SE

SW

Lat.

39.987742

Long.

-109.446228

At proposed prod. zone

N/A

NAD 27

11. Sec., T., R., M., or Blk. and Survey or Area

Sec 33 T 9S R 22E

14. Distance in miles and direction from the nearest town or post office\*

27 miles north of Ouray, Utah

12. Cou State

Utah

Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

890'

(Also to nearest drlg. unit line, if any)

18. Distance from proposed location\*

to nearest well, drilling, completed,

20'

applied for, on this lease, ft.

16. No. of acres in lease

1363.21

17. Spacing Unit dedicated to this well

40

21. Elevations (Show whether DF, RT, GR, etc.)

5,078'

GR

19. Proposed Depth

9,000

22. Approximate date work will start\*

Upon Approval

Esti

mat

10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Land SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by existing bond on file (see item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by authorized officer.

25. Signature

Name (Printed/ Typed)

Kevin McIntyre

Title Regulatory Analyst

Approved By (Signature)

Name (Printed/ Typed)

Jerry Kevick

Title Assistant Field Manager  
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

RECEIVED

APR 28 2009

DIV OF OIL, GAS & MINING  
APR 24 2009

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr McGee Oil & Gas  
Well No: NBU 922-33NT  
API No: 43-047-40187

Location: SESW, SEC.33, T9S,R22E  
Lease No: UTU-01191A  
Agreement: NATURAL BUTTES UNIT

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC CONDITIONS OF APPROVAL**

- Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.
- Spot monitor the construction of the pit by a qualified, permitted paleontologist. Report all mitigation-curation of vertebrates and other scientifically significant fossils that may be affected by the construction.
- During operations, if any vertebrate paleontological resources are discovered, in accordance with **Section 6 of Form 3100-11 and 43CFR 3162.1**, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hours of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- An Interim Surface Reclamation Plan for surface disturbance on the well pad, access road, and pipeline would be completed. At a minimum, this would include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods. The areas of the location not needed for production operations, including portions of the pad and the reserve pits, would have the stock piled top soil spread evenly over the reclaimed surface, and be seeded with the recommended seed mix shown below. If it is determined that this well site would be used as a multi-well site the interim reclamation would be delayed until all wells are constructed at the site.
- Interim Reclamation seed mix

Hy/crest crested wheatgrass	<i>Agropyron cristatum</i>	3 lbs. /acre
needle and threadgrass	<i>Stipa comat</i>	3 lbs. /acre
globemallow	<i>Spaeralcea coccinea</i>	1 lbs. /acre
shadscale	<i>Atriplex confertifolia</i>	2 lbs. /acre
fourwing saltbush	<i>Atriplex canescens</i>	3 lbs. /acre
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Surface casing cement shall be brought up and into the surface. Top of Cmnt is to reach surf. For the Surface casing cementing program (operator's specified Option 1 where well does not circulate water), operator is required to pump additional cement beyond the stated amounts in application.
- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1400 ft. The minimum cement top is approximately 0700 ft above the surface casing shoe.
  - Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.
  - COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).
- Operator is to notify BLM Vernal Field Office and active gilsonite mining operator (or lease holder) located within a 2 mile radius, 48 hours prior to pad explosives blasting. Well is not close to gilsonite vein, but on trend to gilsonite vein deposits.
- A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.
- Drilling plan specifics and practices are referenced in the Kerr McGee Oil & Gas Standard Operating Procedures (SOP version: July 28, 2008). The operators drilling plan items 3 to 9 reference the SOP. Kerr McGee shall adhere to the referenced requirements in the SOP.
  - Kerr McGee and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- A Gamma Ray well Log shall be run from the well Total Depth to the surface.  
A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:**

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**



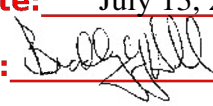
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

#### OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
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<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-33NT			
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<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH			
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<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 7/10/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION          OTHER: _____       </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.					
<div style="text-align: right;"> <b>Approved by the Utah Division of Oil, Gas and Mining</b> </div>		<b>Date:</b> July 13, 2009  <b>By:</b> 			
<b>NAME (PLEASE PRINT)</b> Danielle Piernot		<b>PHONE NUMBER</b> 720 929-6156			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst			
<b>DATE</b> 7/6/2009					

**RECEIVED** July 06, 2009



## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047401870000

**API:** 43047401870000

**Well Name:** NBU 922-33NT

**Location:** 0890 FSL 2291 FWL QTR SESW SEC 33 TWNP 090S RNG 220E MER S

**Company Permit Issued to:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

**Date Original Permit Issued:** 7/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Danielle Piernot

**Date:** 7/6/2009

**Title:** Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

**Date:** July 13, 2009

**By:** 

**RECEIVED** July 06, 2009

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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface casing for this well due to revised drilling practices. The surface casing is changing FROM: 2,150' TO: 2,275'. Please see the attached drilling diagram for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.					
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>		<b>Date:</b> <u>July 14, 2009</u> <b>By:</b> <u>Dan K. Quist</u>			
<b>NAME (PLEASE PRINT)</b> Danielle Piernot		<b>PHONE NUMBER</b> 720 929-6156			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst  <b>DATE</b> 7/8/2009			

**RECEIVED** July 08, 2009

**KERR-McGEE OIL & GAS ONSHORE LP**  
**DRILLING PROGRAM**

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	July 7, 2009
WELL NAME	NBU 922-33NT	TD	9,000' MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah
		STATE	Utah
		FINISHED ELEVATION	5,078'
SURFACE LOCATION	SW/4 SE/4 890' FSL 2,291' FWL Sec 33 T 10S R 23E	BHL	Straight Hole
	Latitude: 39.987708 Longitude: -109.446228		NAD 83
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: BLM (MINERALS), BLM (SURFACE), UDOGM, Tri-County Health Dept.		

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
<p>All water flows encountered while drilling will be reported to the appropriate agencies.</p> <p><b>Green River @ 1,269'</b></p> <p><b>Top of Birds Nest Water @ 1,593'</b></p> <p><b>Mahogany @ 2,075'</b></p> <p><b>Preset f/ GL @ 2,275' MD</b></p> <p>Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.</p>			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
<p>Mud logging program TBD</p> <p>Open hole logging program from TD - surf csg</p> <p><b>Wasatch @ 4,446'</b></p> <p><b>Mverde @ 6,903'</b></p> <p><b>MVU2 @ 7,841'</b></p> <p><b>MVL1 @ 8,401'</b></p> <p><b>TD @ 9,000'</b></p>			7-7/8"	4-1/2" 11.6# I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.7 ppg
				Max anticipated Mud required 11.7 ppg	



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2275	36.00	J-55	LTC	1.01*	1.90	5.53
PRODUCTION	4-1/2"	0 to 9000	11.60	I-80	LTC	7,780	6,350	201,000
						2.23	1.16	2.34

\*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above.

D.F. = 2.46

1) Max Anticipated Surf. Press. (MASP) (Surf Csg) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac grad x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft - partial evac gradient x TD)

(Burst Assumptions: TD = 11.7 ppg)

0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)

**MASP 3,394 psi**

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.7 ppg)

0.6 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)

**MABHP 5,374 psi**

## CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	215	60%	15.60	1.18
			+ 0.25 pps flocele				
Option 1							
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	380	0%	15.60	1.18
			+ 2% CaCl + 0.25 pps flocele				
			Premium cmt + 2% CaCl				
SURFACE		<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>					
Option 2	LEAD	1,775'	Prem cmt + 16% Gel + 10 pps gilsonite	200	35%	11.00	3.82
			+ 0.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,940'	Premium Lite II + 0.25 pps celloflake +	380	40%	11.00	3.38
			5 pps gilsonite + 10% gel ' + 1% Retarder				
	TAIL	5,060'	50/50 Poz/G + 10% salt + 2% gel	1240	40%	14.30	1.31
			+ 0.1% R-3				

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

John Huycke / Emile Goodwin

DATE:

DRILLING SUPERINTENDENT:

John Merkel / Lovel Young

DATE:



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/8/2009  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: _____         </div> </div>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 07/08/2009 AT 1015 HRS.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> July 15, 2009		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock		<b>PHONE NUMBER</b> 435 781-7024
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst
<b>DATE</b> 7/15/2009		

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01191A
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-33NT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0890 FSL 2291 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 33 Township: 09.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401870000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 7/15/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> _____	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> MIRU PROPETRO AIR RIG ON 07/11/2009. DRILLED 12- 1/4" SURFACE HOLE TO 2160'. RAN 9-5/8" 36# J-55 SURFACE CASING. CMT W/240SX TAIL PREM CLASS G @ 15.8 PPG 1.15 YIELD. TOP OUT W/435SX PREM CLASS G @ 15.8 PPG 1.15 YIELD. WORT		
<div style="text-align: right;"> <b>Accepted by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b>  <b>FOR RECORD ONLY</b>          July 22, 2009       </div>		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/22/2009	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01191A
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-33NT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0890 FSL 2291 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 33 Township: 09.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401870000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 7/26/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
FINISHED DRILLING FROM 2160' TO 9025' ON 07/25/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. PUMP 218 BBLS LEAD, 441 SX PREM LITE @ 11.4 PPG, 2.79 cF/SCK YIELD. PUMP 276 BBLS TAIL, 1189 SX 50:50 POZ @ 14.3 PPG, 1.31 cF/SCK YIELD. FLUSHED LINES DROP PLUG & DISPLACED W/139 BBLS WATER W/CLAYTREAT, 1 GL MAGNACIDE & CORR INHIBITOR. 100% RETURNS W/NO CEMENT BACK TO SURFACE. BUMPED PLUG W/3014 PSI PLUG HELD. ORIGINAL PUMPING PSI 2594. 420 OVER PSI. 1.5 BBLS BLEED OFF. FLUSHED STACK AND SET MANDREL W/60 K STRING. RELEASE PIONEER RIG 69 ON 07/27/2009 AT 06:00 HRS.		
<div style="display: flex; justify-content: space-between;"> <div> <b>NAME (PLEASE PRINT)</b>            Andy Lytle         </div> <div> <b>PHONE NUMBER</b>            720 929-6100         </div> <div> <b>TITLE</b>            Regulatory Analyst         </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div> <b>SIGNATURE</b>            N/A         </div> <div> <b>DATE</b>            7/28/2009         </div> </div>		

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01191A
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-33NT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0890 FSL 2291 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 33 Township: 09.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401870000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 10/23/2009	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
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	<input checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 10/23/2009 AT 11:10 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> November 03, 2009		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/29/2009	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 922-33NT	Spud Conductor: 7/8/2009	Spud Date: 7/11/2009
Project: UTAH-UINTAH	Site: CIGE 152 PAD	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/10/2009	End Date: 7/27/2009
Active Datum: RKB @5,096.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/11/2009	0:00 - 4:00	4.00	MIRU	01	A	P		MIRU
	4:00 - 8:00	4.00	MIRU	01	B	P		RURT
	8:00 - 0:00	16.00	DRLSUR	02	A	P		DRILL F/40 TO 1050 ,SURVEY@1020=3 DEG 90 AZI
7/12/2009	0:00 - 8:00	8.00	DRLSUR	02	A	P		DRILL F/1050 TO 1350,,SURVEY@1250=2D 99AZI 25.9' C/C SF 4.79
	8:00 - 11:00	3.00	DRLSUR	06	A	P		BIT TRIP
	11:00 - 0:00	13.00	DRLSUR	02	A	P		DRILL F/1350 TO 1750,
7/13/2009	0:00 - 9:00	9.00	DRLSUR	02	A	P		DRILL F/1750 1900,
	9:00 - 12:00	3.00	DRLSUR	08	B	Z		REPAIR MUD LINE ON DERRICK
	12:00 - 12:00	0.00	DRLSUR	02	A	P		DRILL F/1900' TO 2050
7/14/2009	0:00 - 15:00	15.00	DRLSUR	02	A	P		DRILL F/2050 TO 2160 TD
	15:00 - 16:00	1.00	DRLSUR	05	C	P		CIRC TO CLEAN HOLE
	16:00 - 19:00	3.00	DRLSUR	06	A	P		LDDP & BHA
	19:00 - 22:00	3.00	CSG	12	C	P		RUN 49 JTS #36 9.625 CSG TO 2120'
	22:00 - 0:00	2.00	CSG	12	E	P		PUMP 675 SX TAIL CEMENT
7/17/2009	5:00 - 7:00	2.00	DRLPRO	01	E	P		RDRT
	7:00 - 22:30	15.50	DRLPRO	01	A	P		HPJSM W/ RIG,CRANE & TRUCKS, OFF OLD LOC @ 09:30,MOVE RIG W/ WESTROC 9 HAUL & 4 BED TRUCKS, 2 FORKLIFTS, 4 SWAMPERS, 2 J&C CRANES 75 TO F/ RIG MOVE, 240 TON TO ASST LOADS AROUND TIGHT CORNERS, 7 EX RIG HANDS, TRUCKS ON LOC @ 07:00 RELEASED @ 20:30, BIG CRANE @ 17:00, R/U CRANE @ 19:30, HAD 5 FLAT TIRES ON CARRIER DO TO SHARP CORNERS & ROUGH ROADS
7/18/2009	22:30 - 0:00	1.50	DRLPRO	01	B	P		RURT
	0:00 - 3:00	3.00	DRLPRO	01	B	P		RURT
	3:00 - 8:00	5.00	DRLPRO	14	A	P		N/U BOP
	8:00 - 12:30	4.50	DRLPRO	15	A	P		TEST RAMS & ALL VALVES 250 LOW - 5000 HIGH, ANN 250-2500, CASING 1500 F/ 30 MIN'S ALL TESTS GOOD, INSTALL WEAR BUSHING
	12:30 - 13:30	1.00	DRLPRO	06	A	P		L/O & STRAP BHA & DP
	13:30 - 21:00	7.50	DRLPRO	06	A	P		HPJSM W/ RIG & P/U CREWS, R/U & P/U BHA, ORIENT TOOL, SCRIBE, TROUBLE PROGRAMMING MWD TOOL, P/U D/P, R/D
	21:00 - 22:30	1.50	DRLPRO	09	A	P		CUT 115' DLRG LINE, PRE-SPUD INSECTION
	22:30 - 23:30	1.00	DRLPRO	02	F	P		DRLG CEMENT & F/E
	23:30 - 0:00	0.50	DRLPRO	02	B	P		DRLG & SLIDE F/ 2174 TO 2213, 39' @ 78' PH, MW 8.3, VIS 26, WOB 16-18, RPM 50, MM 105, SPM 125, GPM 473, PU/SO/ROT 83-75-79, ON-OFF 1300-1000, DIFF 200-300, SPUD WELL @ 23:30 7/18/09
								7/18/09
7/19/2009	0:00 - 14:30	14.50	DRLPRO	02	B	P		DRLG,SLIDE,SURVEY F/ 2213' TO 3572', 1359' @ 93.7' PH,ROP ROT 150-200, ROP SLIDING 15-50, WOB ROT 18, WOB SLIDING 5-10, 3.5 HRS SLIDING, 11 HRS ROT, MW 8.3, VIS 26, RPM 50, MM 105, SPM 125, GPM 473, PU/SO/ROT 101-91-95, ON/OFF 1500-1200, DIFF ROT 150-300, SLIDING 50-100, SLIDES 2307-2317, 2339-2349, 2503-2513, 2561-2571, 2594-2604, 2624-2634, 2655-2665, 2687-2697
	14:30 - 15:00	0.50	DRLPRO	07	A	P		SERVICE RIG

RECEIVED October 29, 2009

# US ROCKIES REGION

## Operation Summary Report

Well: NBU 922-33NT	Spud Conductor: 7/8/2009	Spud Date: 7/11/2009
Project: UTAH-UINTAH	Site: CIGE 152 PAD	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 6/10/2009	End Date: 7/27/2009
Active Datum: RKB @5,096.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:00 - 0:00	9.00	DRLPRO	02	B	P		DRLG,SLIDE,SURVEY F/ 3572' TO 4490', 918' @ 102' PH, WOB 18, MW 8.3, VIS 26, RPM 50, MM 105, SPM 125, GPM 473,PU/SO/ROT 120-109-115, ON/OFF 1502-1300, DIFF 150-300, SLIDES 3825-3835, 3920-3930, 4142-4152, 4237-4247, C TO C 125.27, SEP FACTOR 6.23
7/20/2009	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG,SLIDE,SURVEY F/ 4490 TO 5913', 1423' @ 101.6' PH, WOB 20, MW 8.3, VIS 27, RPM 50, MM 105, SPM 125, GPM 473, PU/SO/ROT, 135-120-130, ON/OFF 1800-1500, DIFF 150-250, SLIDES 5408-5428, 5503-5523, 5882-5890
	14:00 - 14:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG F/ 5913 TO 6440', 527' @ 55.5' PH, MW 8.8, VIS 34, RPM 50, MM 105, SPM 125, GPM 473, PU/SO/ROT 155-135-142, ON/OFF 2100-1850, DIFF 150-300
7/21/2009	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG F/ 6440 TO 7083' 643' @ 45.9' PH, MW 9.0, VIS 36, RPM 50, SPM 125, GPM 473, PU/SO/ROT 165-145-155, ON/OFF 2200-2000, DIFF 150-300, SLIDES 6752-6766, 6884-6894, HOLE STARTED SEEPING @ 6600, RUN LCM SWEEPS
	14:00 - 14:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG F/ 7083 TO 7715', 632' @ 66.5' PH, MW 9.7, VIS 38, RPM 50, SPM 125, GPM 473, PU/SO/ROT 165-150-158,CLOSE IN PIT & RAISE LCM TO 7 % TO CONTROL LOSSES, LOST @ 500 BBLS
7/22/2009	0:00 - 3:00	3.00	DRLPRO	02	D	P		DRILL 7715' - 7903' 188', 62.6 FPH, RPM 50, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 168/148/158, ON/OFF PSI 1976/1763, DIFF PSI 213, VIS 38, MW 9.7, LCM 7%
	3:00 - 5:00	2.00	DRLPRO	22	G	X		CIRC @ SLOW PUMP RATE,MIX LCM TO 10 %
	5:00 - 14:00	9.00	DRLPRO	02	D	P		DRILL 7903' - 8221' 318' @ 35.3 FPH, RPM 45, MRPM 87, SPM 105, GPM 397, PU/SO/ROT 179/170/175, ON/OFF PSI 2235/2156, DIFF PSI 79 PSI, VIS 41, MW 10.2, LCM 13%, 580 BBL MUD LOSS
	14:00 - 14:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	14:30 - 21:30	7.00	DRLPRO	02	D	P		DRILL 8221' - 8442' 221' @ 31.5 FPH, WOB 24, RPM 50, MRPM 100, SPM 120, GPM 454, PU/SO/ROT 182/165/174, ON/OFF PSI 2369/2150, DIFF PSI 219, VIS 41, MW 10.6, LCM 16%, HOLE TAKING FLUID, 3500 UNITS BACKGROUND GAS
	21:30 - 0:00	2.50	DRLPRO	05	C	P		CIRC F/ BIT TRIP,RAISE LCM TO 20% & MW TO 11.0 TO MAINTAIN GAS.
7/23/2009	0:00 - 10:30	10.50	DRLPRO	22	G	P		CIRC & CONDITION HOLE,RAISE MW TO 11.2,RAISE LCM TO 25%. BUILD VOLUME.
	10:30 - 18:00	7.50	DRLPRO	06	A	P		TFNB,LAY DOWN DIR TOOLS & BENT HOUSING MOTOR. MOTOR PLUGED WET TOO H 1/2 WAY OUT
	18:00 - 0:00	6.00	DRLPRO	06	A	P		SWITCH MOTORS & BITS, TIH W/ RERUN Q506X. ATTEMPT TO BREAK CIRC OFF BOTTOM BIT OR MOTOR PLUGED,TRIED TO UNPLUG NO SUCCESS.
7/24/2009	0:00 - 7:00	7.00	DRLIN1	06	A	P		TOOH WET W/ PLUGED MOTOR,LAYDOWN MOTOR.
	7:00 - 13:00	6.00	DRLIN1	06	A	P		PICK UP BIT SUB,BIT & TIH TO SHOE,BREAK CIRC @ SHOE & EVERY 20 STDs.
	13:00 - 14:00	1.00	DRLIN1	03	E	P		WASH & REAM F/ 8337' TO BOTTOM.

RECEIVED October 29, 2009

# US ROCKIES REGION

## Operation Summary Report

Well: NBU 922-33NT		Spud Conductor: 7/8/2009		Spud Date: 7/11/2009	
Project: UTAH-UINTAH		Site: CIGE 152 PAD		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 6/10/2009		End Date: 7/27/2009	
Active Datum: RKB @5,096.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/25/2009	14:00 - 23:30	9.50	DRLIN1	02	A	P		DRILL 8442' - 8650' 208', 21.8 FPH, WOB 23, RPM 65, SPM 125, GPM 473, PU/SO/ROT 175/150/161, ON/OFF 1870/1770, DIFF 100, VIS 42, MW 11.4, LCM 32%
	23:30 - 0:00	0.50	DRLIN1	22	G	P		HOLE TAKING FLUID, PICK UP & CIRC BUILD LCM BACK TO 32% & BUILD VOLUME. 150 BBL MUD LOSS
	0:00 - 1:00	1.00	DRLPRO	22	G	P		CIRC BUILD VOLUME & RAISE LCM TO 33%
	1:00 - 17:00	16.00	DRLPRO	02		P		DRILL 8650' - 9025' 375', BT WT 24, RPM 70, SPM 125, GPM 473, UP/DN/ROT 175/150/165, ON/OFF PSI 1770/1694, VIS 40, MW 11.4, LCM 33% 390 BBL TOTAL MUD LOSS
	17:00 - 18:30	1.50	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
7/26/2009	18:30 - 19:30	1.00	DRLPRO	06	E	P		SHORT TRIP 13 STDS TO 8274'
	19:30 - 21:30	2.00	DRLPRO	05	C	P		CIRC TO LDDS, HELD SAFETY MEETING. RIG UP KIMZEY
	21:30 - 0:00	2.50	DRLPRO	06	A	P		LDDS
	0:00 - 4:00	4.00	DRLPRO	06	A	P		LDDS, BREAK DOWN KELLY, PULL WEAR BUSHING, RIG DOWN KIMZEY
	4:00 - 13:30	9.50	DRLPRO	11	G	P		HELD SAFETY MEETING, RIG UP BAKER ATLAS & RUN TRIPLE COMBO F/ 9025' TO SHOE & GR TO SURFACE
	13:30 - 14:30	1.00	DRLPRO	12	A	P		HELD SAFETY MEETING & RIG UP KIMZEY CSG CREW
	14:30 - 19:30	5.00	DRLPRO	12	C	P		RUN 4.5 PRODUCTION CSG TO 9002'
	19:30 - 22:30	3.00	DRLPRO	05	D	P		CIRC W/ RIG PUMP. WAITING ON BJ SERVICES
	22:30 - 0:00	1.50	DRLPRO	12	E	P		HELD SAFETY MEETING, SWITCH TO BJ HEAD, PSI TEST LINES TO 4100 PSI, PUMP 40 BBLS WATER SPACER. PUMP 218 BBLS LEAD, 441 SCKS PREMIUM LITE 11 CEMENT @ 11.4 PPG, 2.79 cF/SCK YIELD. PUMP 276 BBLS TAIL, 1189 SCKS 50:50:2 POZ MIX CEMENT @ 14.3 PPG, 1.31 cF/SCK. FLUSHED LINES DROP PLUG & DISPLACE W/ 139 BBLS WATER W/ CLAYTREAT, 1 GL MAGNACIDE & CORR INHIBITER. 100% RETURNS W/ NO CEMENT BACK TO SURFACE. BUMPED PLUG W/ 3014 PSI PLUG HELD. ORIGINAL PUMPING PSI 2594. 420 OVER PSI. 1.5 BBLS BLEED OFF. FLUSHED STACK & SET MANDREL W/ 60 K STRING WT. RIG DOWN BJ
7/27/2009	0:00 - 1:00	1.00	DRLPRO	12	E	P		FINISH CEMENT PROD CSG
	1:00 - 6:00	5.00	DRLPRO	14	A	P		NIPPLE DOWN BOP, CLEAN MUD PITS. RELEASE RIG @ 06:00 07/27/2009

RECEIVED October 29, 2009



**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 922-33NT		Spud Conductor: 7/8/2009		Spud Date: 7/11/2009	
Project: UTAH-UINTAH		Site: CIGE 152 PAD			Rig Name No: MILES 2/2
Event: COMPLETION		Start Date: 10/16/2009		End Date: 10/21/2009	
Active Datum: RKB @5,096.00ft (above Mean Sea Level)			UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/16/2009	7:00 - 7:30	0.50	COMP	48		P		RU, PU TBG
	7:30 - 19:00	11.50	COMP	30		P		MIRU, NUBOP'S, RIH WITH 3 7/8" BIT TO 8958", DRIILL OUT FLOAT EQUIP, CLEAN OUT TO 8986' 285 JTS TO 8958' PU 1 JT CLEAN OUT TO 8988'. CIRC HOLE WITH 105 BBLS TMAC. LD 26 JTS SWIFN PRESSURE TEST CSG
10/17/2009	7:00 - 7:30	0.50	COMP	48		P		POOH & STAND BACK 130 STANDS TBG, ND BOP'S, NU FRAC VALVES, RU B&C OUICK TEST. PRESSURE TEST CSG TO 6200# TOP FRAC VALE, BTM FRAC VALVE. RD B& C, RU CUTTERS, PERF ZONES 8972-8976 4 SPF 16 SHOTS @ 90 DEGREES
	7:30 - 7:30	0.00	COMP	37		P		8905-8907 3 SPF 6 SHOTS @ 120 DEGREES 8887-8890 4 SPF 12 SHOTS @ 90 DEGREES 8842-8845 3 SPF 9 SHOTS @ 120 DEGREES RD CUTTERS, SWIFN FRACING AND PERF
10/19/2009	7:00 - 7:30	0.50	COMP	48		P		RU FRAC TECH FRAC STAGE 1,
	7:30 - 8:30	1.00	COMP	37		P		



**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 922-33NT	Spud Conductor: 7/8/2009	Spud Date: 7/11/2009
Project: UTAH-UINTAH	Site: CIGE 152 PAD	Rig Name No: MILES 2/2
Event: COMPLETION	Start Date: 10/16/2009	End Date: 10/21/2009
Active Datum: RKB @5,096.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:30 - 17:30	9.00	COMP	36	E	P		<p>7:30 Beg stg 1. hold sft mtg. PSI TST SURF EQUIP TO 8000#, HELD. OPEN WELL &amp; BEG STG 1</p> <p>STG 1: BRK DWN PERF'S @ 3261#, EST INJ RT @ 52.5#, @ 5600#, ISIP 2495#, FG .71, TREAT STG 1 W/ 65,747# 30/50 SAND, TAILED IN W/ 5000# TLC SAND. TOT CL FL 1660 BBLS. ISIP 2718#, NPI 223#, FFG .74</p> <p>STG 2: P/U 4 1/2" HAL 8K CBP &amp; 3 3/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES, 2, 3, &amp; 4 SPF, 90, 120, &amp; 180 DEG PHASING &amp; RIH. SET CBP @ 8799', P/U SHOOT 12 HOLES F/ 8756' - 59', P/U SHOOT 6 HOLES F/ 8710' - 12', P/U SHOOT 6 HOLES F/ 8697' - 99', P/U SHOOT 12 HOLES F/ 8659' - 62', P/U SHOOT 4 HOLES F/ 8616' - 18'. POOH. BRK DWN PERF'S @ 3558#, EST INJ RT @ 52.8 BPM @ 4770#, ISIP 2525#, FG .72, 100% HOLES OPEN. TREAT STG 2 W/ 41,100# SAND TAILED IN W/ 5000# TLC SAND. TOT CL FL 1095 BBLS. ISIP 2647#, NPI 122#, FG .74</p> <p>STG 3: P/U 4 1/2" CBP &amp; 3 3/8" PERF GUNS &amp; RIH. SET CBP @ 8545', P/U SHOOT 12 HOLES F/ 8502' - 05', P/U SHOOT 8 HOLES F/ 8847' - 49', P/U SHOOT 6 HOLES F/ 8425' - 27', P/U SHOOT 6 HOLES F/ 8328' - 30', P/U SHOOT 4 HOLES F/ 8273' - 74', P/U SHOOT 4 HOLES F/ 8235' - 36'. POOH. BRK DWN PERF'S @ 3403', EST INJ RT @ 56 BPM @ 5007#, ISIP 2275#, FG .70, TREAT STG 3 W/ 77,800# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2001 BBLS. ISIP 2547#, NPI 272#, FG .74</p> <p>STG 4: P/U 4 1/2" CBP &amp; 3 3/8" PERF GUNS &amp; RIH. SET CBP @ 8187', P/U SHOOT 12 HOLES F/ 8154' - 57', P/U SHOOT 8 HOLES F/ 8078' - 80', P/U SHOOT 8 HOLES F/ 8037' - 39', P/U SHOOT 6 HOLES F/ 7950' - 52', P/U SHOOT 6 HOLES F/ 7878' - 80'. POOH. BRK DWN PERF'S @ 4384# EST INJT @ 50 BPM @ 5350#. ISIP 1937, FG .67, TREAT STAGE 4 W 91,740# SAND TAILED IN W/ 5000# TLC SAND, W/ SLK WATER, TOT CL FL 2,300 BBLS. ISIP 2046, NPI 109, FG.69</p> <p>STG 5: P/U 4 1/2" CBP &amp; 3 3/8" PERF GUNS &amp; RIH. SET CBP @ 7810', P/U SHOOT 12 HOLES F/ 7777' - 80', P/U SHOOT 6 HOLES F/ 7744' - 46', P/U SHOOT 6 HOLES F/ 7695' - 97', P/U SHOOT 8 HOLES F/ 7612' - 7614', P/U SHOOT 8 HOLES F/ 7542' - 44'. POOH. BRK DWN PERF'S @ 5400# EST INJT @ 43 BPM @ 4984#. ISIP 2780, FG .80, TREAT STAGE 4 W 35,688# SAND W/ SLK WATER, TOT CL 1033 BBLS. ISIP 2164, NPI 272, FG.72</p> <p>STG 6: P/U 4 1/2" CBP &amp; 3 3/8" PERF GUNS &amp; RIH. SET CBP @ 7490', P/U SHOOT 8 HOLES F/ 7452' - 54', P/U SHOOT 12 HOLES F/ 7332' - 35', P/U SHOOT 4 HOLES F/ 7250' - 52', P/U SHOOT 4 HOLES F/ 7226' - 28', P/U SHOOT 8 HOLES F/ 7196' - 98'. POOH. BRK DWN PERF'S @ 6481#,</p>

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# US ROCKIES REGION

## Operation Summary Report

Well: NBU 922-33NT		Spud Conductor: 7/8/2009		Spud Date: 7/11/2009	
Project: UTAH-UINTAH		Site: CIGE 152 PAD		Rig Name No: MILES 2/2	
Event: COMPLETION		Start Date: 10/16/2009		End Date: 10/21/2009	
Active Datum: RKB @5,096.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/20/2009	7:00 - 7:30	0.50	COMP	48		P		EST INJ RT @ 51 BPM @ 4200#, ISIP 2100#, FG .72. TREAT STG 6 W/ 39,266# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1045 BBLs. ISIP 2170#, NPI 70#, FG .73
	7:30 - 15:00	7.50	COMP	36		P		WINTERIZE LINES. SWI. SDFN PERF, FRAC STG 7: P/U 4 1/2" CBP & 3 3/8" PERF GUNS & RIH. SET CBP @ 7134', P/U SHOOT 12 HOLES F/ 7106-09', P/U SHOOT 12 HOLES F/ 7061-7064', P/U SHOOT 4 HOLES F/ 6982--84', P/U SHOOT 4 HOLES F/ 6949'-51', P/U SHOOT 4 HOLES F/ 6870'-72'. POOH. BRK DWN PERF'S @ 2871#, EST INJ RT @ 53.2 BPM @ 4600#, ISIP 1075#, FG .59. TREAT STG 7 W/ 79423# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2024 BBLs. ISIP 2064#, NPI 989#, FG .73. RD FRAC TECH, RU CUTTERS SET CBP @ 6816'. POOH RD CUTTERS. ND FRAC VALVE, RU BOP'S, RIH WITH 2 3/8" POBS, 3 7/8" BIT, 1.875" SN. WITH TBG 2 3/8" 4.7# J-55 TBG TO 6816' 217 JTS TO DRILL FIRST PLUG. RU PWR SWIVIL, PUMP. SWIFN DRILL PLUGS DRILL PLUGS. PLUG #1 6816' 0 SAND 8 MIN 400# KICK PLUG #2 7134' 45 SAND 15 MIN 400# KICK PLUG #3 7490' 90' SAND 7 MIN 200# KICK PLUG #4 7810' 30' SAND 10 MIN 300# KICK PLUG #5 8187' 30' SAND 10 MIN 200# KICK PLUG #6 8545' 20' SAND 8 MIN 500# KICK PLUG #7 8799' 40' SAND 10 MIN 200# KICK PBD 8988' RIH WITH 286 JTS, 8988' CLEAN OUT. POOH LD 13 JTS. LAND TBG AT 8581.76' WITH 273 JTS 8567.73', 2.2' SN 1.875", HANGER .83', EOT @ 8581.76' ND BOP'S, NU WH. DROP BALL PUMP 120BBLs, PUMP OFF BIT SUB.. 2300# RD MO TURN TO FLOW BACK. 7 AM FLBK REPORT: CP 2150#, TP 1950#, 20/64" CK, 44 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 3492 BBLs LEFT TO RECOVER: 7808 7 AM FLBK REPORT: CP 2500#, TP 2050#, 20/64" CK, 37 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 4473 BBLs LEFT TO RECOVER: 6827 WELL TURNED TO SALE @ 1110 HR ON 10/23/09 - FTP 2050#, CP 2750#, 1632 MCFD, 35 BWPD, 20/64 CK 7 AM FLBK REPORT: CP 2750#, TP 2000#, 20/64" CK, 31 BWPH, MEDIUM SAND, 1753 GAS TTL BBLs RECOVERED: 5257 BBLs LEFT TO RECOVER: 6043 7 AM FLBK REPORT: CP 2650#, TP 1800#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 5881 BBLs LEFT TO RECOVER: 5419 7 AM FLBK REPORT: CP 2600#, TP 1800#, 20/64" CK, 16 BWPH, TRACE SAND, - GAS TTL BBLs RECOVERED: 6313 BBLs LEFT TO RECOVER: 4987
10/21/2009	7:00 - 7:30	0.50	COMP	48		P		
	7:30 - 15:30	8.00	COMP	44		P		
10/22/2009	7:00 -			33	A			
10/23/2009	7:00 -			33	A			
	11:10 -		PROD	50				
10/24/2009	7:00 -			33	A			
10/25/2009	7:00 -			33	A			
10/26/2009	7:00 -			33	A			

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. UTU01191A		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE			7. Unit or CA Agreement Name and No. UTU63047A		
3. Address P.O. BOX 173779 DENVER, CO 80217			8. Lease Name and Well No. NBU 922-33NT		
3a. Phone No. (include area code) Ph: 720-929-6100			9. API Well No. 43-047-40187		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 890FSL 2291FWL 39.98774 N Lat, 109.44554 W Lon At top prod interval reported below SESW 890FSL 2291FWL 39.98774 N Lat, 109.44554 W Lon At total depth SESW 890FSL 2291FWL 39.98774 N Lat, 109.44554 W Lon			10. Field and Pool, or Exploratory NATURAL BUTTES		
14. Date Spudded 07/08/2009			11. Sec., T., R., M., or Block and Survey or Area Sec 33 T9S R22E Mer		
15. Date T.D. Reached 07/25/2009			12. County or Parish UINTAH		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/23/2009			13. State UT		
17. Elevations (DF, KB, RT, GL)* 5078 GL					
18. Total Depth: MD 9025 TVD 9024			19. Plug Back T.D.: MD 8959 TVD 8959		
20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMP-HDIL-ZDL-CN-GR-CBL			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)		

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2135		675			
7.875	4.500 I-80	11.6		9002		1630			

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8581							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6870	6872	6870 TO 6872	0.360	8	OPEN
B) MESAVERDE	6951	8976	6951 TO 8976	0.360	275	OPEN
C)						
D)						

## 26. Perforation Record

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6870 TO 8976	PMP 11,157 BBLS SLICK H2O & 435,764 LBS 30/50 SD.

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/23/2009	10/29/2009	24	→		2171.0	432.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 1600 SI	Csg. Press. 2209.0	24 Hr. Rate →	Oil BBL	Gas MCF 2171	Water BBL 432	Gas:Oil Ratio	Well Status	PGW

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #77993 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED

DIV. OF OIL, GAS &amp; MINING

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NOV 30 2009

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1267				
MAHOAGANY	1956				
WASATCH	4493	6935			
MESAVERDE	6968	8985			

## 32. Additional remarks (include plugging procedure):

ATTACHED TO THIS COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND END OF WELL REPORT.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #77993 Verified by the BLM Well Information System.  
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name (please print) ANDY LYTLETitle REGULATORY ANALYSTSignature (Electronic Submission)Date 11/24/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 922-33NT		Spud Conductor: 7/8/2009		Spud Date: 7/11/2009	
Project: UTAH-UINTAH		Site: CIGE 152 PAD			Rig Name No: MILES 2/2
Event: COMPLETION		Start Date: 10/16/2009		End Date: 10/21/2009	
Active Datum: RKB @5,096.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								EST INJ RT @ 51 BPM @ 4200#, ISIP 2100#, FG .72, TREAT STG 6 W/ 39,266# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1045 BBLS. ISIP 2170#, NPI 70#, FG .73
10/20/2009	7:00 - 7:30	0.50	COMP	48		P		WINTERIZE LINES. SWI. SDFN
	7:30 - 15:00	7.50	COMP	36		P		PERF, FRAC
								STG 7: P/U 4 1/2" CBP & 3 3/8" PERF GUNS & RIH. SET CBP @ 7134', P/U SHOOT 12 HOLES F/ 7106-09' , P/U SHOOT 12 HOLES F/ 7061-7064' , P/U SHOOT 4 HOLES F/ 6982--84' , P/U SHOOT 4 HOLES F/6949'-51' , P/U SHOOT 4 HOLES F/ 6870'-72'. POOH. BRK DWN PERF'S @ 2871#, EST INJ RT @ 53.2 BPM @ 4600#, ISIP 1075#, FG .59, TREAT STG 7 W/79423# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2024 BBLS. ISIP 2064#, NPI 989#, FG .73. RD FRAC TECH, RU CUTTERS SET CBP @ 6816'. POOH RD CUTTERS. ND FRAC VALVE, RU BOP'S, RIH WITH 2 3/8" POBS, 3 7/8" BIT, 1.875" SN. WITH TBG 2 3/8" 4.7# J-55 TBG TO 6816' 217 JTS TO DRILL FIRST PLUG.
10/21/2009	7:00 - 7:30	0.50	COMP	48		P		RU PWR SWIVIL,PUMP. SWIFN
	7:30 - 15:30	8.00	COMP	44		P		DRILL PLUGS
								DRILL PLUGS. PLUG #1 6816' 0 SAND 8 MIN 400# KICK PLUG #2 7134' 45 SAND 15 MIN 400# KICK PLUG #3 7490' 90' SAND 7 MIN 200# KICK PLUG #4 7810' 30' SAND 10 MIN 300# KICK PLUG #5 8187' 30' SAND 10 MIN 200# KICK PLUG #6 8545' 20' SAND 8 MIN 500# KICK PLUG #7 8799' 40' SAND 10 MIN 200# KICK PBD 8988' RIH WITH 286 JTS, 8988' CLEAN OUT. POOH LD 13 JTS. LAND TBG AT 8581.76' WITH 273 JTS 8567.73', 2.2' SN 1.875", HANGER .83', EOT @ 8581.76' ND BOP'S, NU WH. DROP BALL PUMP 120BBLS, PUMP OFF BIT SUB.. 2300# RD MO TURN TO FLOW BACK.
10/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2150#, TP 1950#, 20/64" CK, 44 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3492 BBLS LEFT TO RECOVER: 7808
10/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2500#, TP 2050#, 20/64" CK, 37 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 4473 BBLS LEFT TO RECOVER: 6827
	11:10 -		PROD	50				WELL TURNED TO SALE @ 1110 HR ON 10/23/09 - FTP 2050#, CP 2750#, 1632 MCFD, 35 BWPD, 20/64 CK
10/24/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2750#, TP 2000#, 20/64" CK, 31 BWPH, MEDIUM SAND, 1753 GAS TTL BBLS RECOVERED: 5257 BBLS LEFT TO RECOVER: 6043
10/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2650#, TP 1800#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 5881 BBLS LEFT TO RECOVER: 5419
10/26/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2600#, TP 1800#, 20/64" CK, 16 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 6313 BBLS LEFT TO RECOVER: 4987

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 922-33NT			Spud Conductor: 7/8/2009			Spud Date: 7/11/2009		
Project: UTAH-UINTAH			Site: CIGE 152 PAD				Rig Name No: MILES 2/2	
Event: COMPLETION			Start Date: 10/16/2009				End Date: 10/21/2009	
Active Datum: RKB @5,096.00ft (above Mean Sea Level)				UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/29/2009	7:00 -		PROD	50				WELL IP'D 10/29/09 - 2171 MCFD, 432 BWPD, CP 2209#, FTP 1600#, 20/64" CK, LP 97#, 24 HRS



# **Kerr McGee Oil and Gas Onshore LP**

Uintah County, UT NAD27

NBU 922-33NT

NBU 922-33NT

OH

Design: OH

## **Standard Survey Report**

23 July, 2009

# Scientific Drilling

## Survey Report

**Company:** Kerr McGee Oil and Gas Onshore LP  
**Project:** Uintah County, UT NAD27  
**Site:** NBU 922-33NT  
**Well:** NBU 922-33NT  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well NBU 922-33NT  
**TVD Reference:** GL 5078' & RKB 18' @ 5096.00ft (Pioneer 69)  
**MD Reference:** GL 5078' & RKB 18' @ 5096.00ft (Pioneer 69)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi User Db

<b>Project</b>	Uintah County, UT NAD27		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

Site	NBU 922-33NT, Sec 33 T9S R22E				
Site Position:		Northing:	609,191.00 ft	Latitude:	39° 59' 15.870 N
From:	Lat/Long	Easting:	2,575,593.66 ft	Longitude:	109° 26' 43.960 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	1.32 °

Well	NBU 922-33NT, 890' FSL & 2291' FWL					
Well Position	+N/-S	0.00 ft	Northing:	609,190.99 ft	Latitude:	39° 59' 15.870 N
	+E/-W	0.00 ft	Easting:	2,575,593.66 ft	Longitude:	109° 26' 43.960 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,078.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2009-07-02	11.28	65.93	52,551

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	151.49	

<b>Survey Program</b>	<b>Date</b> 2009-07-23				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
18.00	2,088.00	Survey #1 (OH)	EMS	EMS - Standard	
2,194.00	8,334.00	Survey #2 - Production (OH)	MWD SDI	MWD - Standard ver 1.0.1	

<b>Survey</b>									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00
518.00	0.30	83.97	518.00	0.14	1.30	0.50	0.06	0.06	0.00
758.00	0.30	115.37	757.99	-0.07	2.49	1.25	0.07	0.00	13.08
1,038.00	0.30	101.27	1,037.99	-0.52	3.88	2.31	0.03	0.00	-5.04
1,268.00	0.20	110.27	1,267.99	-0.78	4.84	3.00	0.05	-0.04	3.91
1,438.00	0.20	149.47	1,437.99	-1.14	5.27	3.52	0.08	0.00	23.06
1,758.00	0.90	173.37	1,757.97	-4.12	5.85	6.41	0.23	0.22	7.47
1,858.00	1.10	185.97	1,857.96	-5.85	5.84	7.93	0.30	0.20	12.60
2,088.00	1.00	184.27	2,087.92	-10.05	5.46	11.43	0.05	-0.04	-0.74
2,194.00	0.79	166.58	2,193.90	-11.68	5.56	12.92	0.33	-0.20	-16.69
<b>First SDI MWD Survey</b>									



# Scientific Drilling

## Survey Report

**Company:** Kerr McGee Oil and Gas Onshore LP  
**Project:** Uintah County, UT NAD27  
**Site:** NBU 922-33NT  
**Well:** NBU 922-33NT  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well NBU 922-33NT  
**TVD Reference:** GL 5078' & RKB 18' @ 5096.00ft (Pioneer 69)  
**MD Reference:** GL 5078' & RKB 18' @ 5096.00ft (Pioneer 69)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.16 Multi User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,304.00	0.70	263.88	2,303.90	-12.49	5.07	13.39	1.02	-0.08	88.45
2,400.00	1.76	293.49	2,399.88	-11.96	3.13	12.01	1.25	1.10	30.84
2,496.00	1.93	284.97	2,495.83	-10.96	0.22	9.73	0.34	0.18	-8.87
2,590.00	2.29	315.56	2,589.77	-9.21	-2.63	6.84	1.24	0.38	32.54
2,684.00	1.67	16.20	2,683.72	-6.55	-3.56	4.06	2.20	-0.66	64.51
2,780.00	1.32	25.34	2,779.69	-4.21	-2.70	2.41	0.44	-0.36	9.52
2,843.00	1.41	40.90	2,842.67	-2.97	-1.88	1.71	0.60	0.14	24.70
2,938.00	0.97	18.92	2,937.65	-1.32	-0.85	0.76	0.66	-0.46	-23.14
3,033.00	0.26	61.99	3,032.64	-0.46	-0.40	0.22	0.84	-0.75	45.34
3,130.00	0.09	144.17	3,129.64	-0.42	-0.16	0.29	0.27	-0.18	84.72
3,222.00	0.09	120.26	3,221.64	-0.52	-0.06	0.43	0.04	0.00	-25.99
3,318.00	0.44	145.84	3,317.64	-0.86	0.21	0.86	0.38	0.36	26.65
3,411.00	0.35	183.63	3,410.64	-1.44	0.40	1.45	0.29	-0.10	40.63
3,505.00	0.44	181.08	3,504.64	-2.09	0.37	2.01	0.10	0.10	-2.71
3,950.00	0.70	220.02	3,949.61	-5.88	-1.41	4.49	0.10	0.06	8.75
4,424.00	0.09	93.90	4,423.60	-8.12	-2.90	5.75	0.16	-0.13	-26.61
4,966.00	0.97	159.20	4,965.58	-12.44	-0.84	10.53	0.17	0.16	12.05
5,437.00	0.62	184.16	5,436.53	-18.70	0.39	16.62	0.10	-0.07	5.30
5,816.00	0.44	220.55	5,815.52	-21.86	-0.71	18.87	0.10	-0.05	9.60
5,912.00	0.26	97.50	5,911.52	-22.16	-0.73	19.13	0.65	-0.19	-128.18
6,227.00	0.97	172.47	6,226.50	-24.90	0.33	22.04	0.30	0.23	23.80
6,670.00	1.06	144.61	6,669.43	-31.96	3.19	29.61	0.11	0.02	-6.29
7,176.00	0.09	196.20	7,175.40	-36.16	5.79	34.54	0.20	-0.19	10.20
7,680.00	1.06	184.60	7,679.37	-41.18	5.31	38.72	0.19	0.19	-2.30
8,060.00	1.06	133.01	8,059.31	-47.08	7.59	45.00	0.24	0.00	-13.58
8,334.00	1.58	160.78	8,333.24	-52.38	10.69	51.13	0.30	0.19	10.14

Last SDI MWD Survey

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
NBU 922-33NT PBHL	0.00	0.00	9,000.00	0.01	0.00	609,191.00	2,575,593.66	39° 59' 15.870 N	109° 26' 43.960 W
- actual wellpath misses target center by 668.90ft at 8334.00ft MD (8333.24 TVD, -52.38 N, 10.69 E)									
- Circle (radius 75.00)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01191A
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-33NT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0890 FSL 2291 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 33 Township: 09.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047401870000
<b>PHONE NUMBER:</b> 720 929-6514		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/12/2012	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <span style="border: 1px solid black; padding: 2px;">Production Enhancement</span>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The operator conducted the following workover/wellbore cleanout on the subject well on 12/12/2012. Please see the attached chronological well history for details. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> January 16, 2013		
<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/14/2013	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 922-33NT				Spud Conductor: 7/8/2009				Spud Date: 7/11/2009				
Project: UTAH-UINTAH				Site: CIGE 152 PAD					Rig Name No: MILES-GRAY 1/1			
Event: WELL WORK EXPENSE				Start Date: 12/7/2012						End Date: 12/12/2012		
Active Datum: RKB @5,096.00usft (above Mean Sea Level)				UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0								
Date	Time Start-End		Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation			
12/7/2012	7:00	- 9:30	2.50	MAINT	30	G	P		ROAD MILES RIG # 1 F/ MULLIGAN FED 8-1 TO NBU 922-33NT.			
	9:30	- 10:00	0.50	MAINT	48		P		HSM, REVIEW PU TBG F/ TRAILER, POOH TBG.			
	10:00	- 11:00	1.00	MIRU	30	A	P		MIRU.			
	11:00	- 13:30	2.50	MAINT	30	F	P		FCP.112 PSI. FTP. 100 PSI. BLEW TBG DWN, PUMP 25 BBLS DWN TBG, TBG PRESSURE UP TO 1500 PSI, TBG PLUGGED, WELL HEAD BOLTS RUSTY, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, PUMP 50 BBLS DWN CSG, CSG FULL.			
	13:30	- 15:00	1.50	MAINT	31	I	P		UNLAND TBG HANGER TBG STUCK, WORKED TBG TO 65K FOR 1 HR. TBG CAME FREE, TAG SCALE @ 8580', BTM PERF @ 8976', POOH 10 JTS. EOT@ 8266', SWI, SDFWE.			
12/10/2012	7:00	- 7:15	0.25	MAINT	48		P		HSM, REVIEW PUNCHER TBG & SCAN TBG			
	7:15	- 9:00	1.75	MAINT	30	E	P		SICP. 1500 PSI. SITP. 0 PSI. BLEW CSG TO FLOW-BACK TNK, TBG FROZEN, THAWED OUT, PUMP 50 BBLS DWN CSG.			
	9:00	- 10:30	1.50	MAINT	37	A	P		RU CUTTERS WIRELINE SERV, RIH W/ 1-11/16 PUNCHER, TAG SCALE @ 8240', PERFORATED TBG W/ 8 HOLES @ 8237', POOH & LD TOOLS, RD CUTTERS WIRELINE SERV.			
	10:30	- 14:00	3.50	MAINT	45	A	P		TIH 10 JTS. 2-3/8 TBG F/ DERRICK, RU SCAN TECH, POOH & SCAN 273 JTS. 2-3/8 J-55 TBG, LD 18 BAD JTS. DUE TO WALL LOSS & EXTERNAL BARIUM SCALE, JNT# 273 PLUGGED & PUNCHER 8 HOLES, XN PLUGGED, RD SCAN TECH.			
	14:00	- 17:00	3.00	MAINT	31	I	P		PU 3-7/8 MILL, BIT SUB, TALLY & RIH 200 JTS. 2-3/8 J-55 TBG, EOT @ 5818', W/ 217 JTS. IN WELL. SWI, SDFN.			
12/11/2012	7:00	- 7:30	0.50	MAINT	48		P		HSM, REVIEW AIR FOAM UNIT & PWR SWVL.			
	7:30	- 8:00	0.50	MAINT	31	I	P		SICP. 1000 PSI. SITP. 1000 PSI. BLEW TBG DWN, CONTROL TBG W/ 20 BBLS, FINISH RIH TBG, STOP @ 8330'			
	8:00	- 8:30	0.50	MAINT	47	A	P		NU PWR SWL, INSTALL TSF, RU TECH FOAM.			
	8:30	- 9:00	0.50	MAINT	31	H	P		EST CIRC IN 30 MINS.			
	9:00	- 14:00	5.00	MAINT	44	D	P		C/O / F- 8330' TO 8580', KILL TBG, POOH 10 JTS. TO REMOVE TSF, RIH 10 JTS. INSTALL TSF, EST CIRC IN 15 MINS, C/O F/ 8580' TO 8988' PBD, BTM PERF @ 6870', ( 12' RAT HOLE) CIRC WELL CLEAN, KILL TBG, RD PWR SWVL, RD TECH FOAM.			
	14:00	- 17:00	3.00	MAINT	31	I	P		POOH LD 13 JTS. 2-3/8 J-55 TBG ON TRAILER, REMOVE TSF, POOH 273 JTS. 2-3/8 J-55 TBG, LD MILL & BIT SUB, DRAIN LINES, SWI, SDFN.			
12/12/2012	7:00	- 7:30	0.50	MAINT	48		P		HSM, REVIEW RIH TBG, BROACH TBG.			
	7:30	- 8:00	0.50	MAINT	30	E	P		SICP. 900 PSI. SITP. 900 PSI. BLEW TBG DWN, CONTROL TBG W/ 20 BBLS.			

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 922-33NT		Spud Conductor: 7/8/2009		Spud Date: 7/11/2009	
Project: UTAH-UINTAH		Site: CIGE 152 PAD			Rig Name No: MILES-GRAY 1/1
Event: WELL WORK EXPENSE		Start Date: 12/7/2012		End Date: 12/12/2012	
Active Datum: RKB @5,096.00usft (above Mean Sea Level)		UWI: 0/9/S/22/E/33/0/SESW/26/PM/S/890.00/W/0/2,291.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:00 - 17:00	9.00	MAINT	31	I	P		PU 1.875 X 1.78 LSN, RIH 273 JTS. 2-3/8 J-55 TBG, BROACH TBG EVERY 48 JTS, RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH, CLEAN LOCATION, RDMO. MOVE TO NBU 921-27C1BS.  TBG DETAIL:  KB-----18' HANGER-----83' 273 JTS. 2-3/8 J-55 TBG-----8576.63' 1.875 X 1.78 LSN-----1.33' EOT @-----8596.79' WLTR. 280 BBLs. TOP PERF @ 6870' BTM PERF @ 8976' PBTD @ 8988' C/O TO PBTD.